



**CALIFORNIA STATE SCIENCE FAIR
2016 PROJECT SUMMARY**

Name(s) Meagan Lee	Project Number J1018
Project Title Biodiesel: Fuel for the Future	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The goal of this project is to find out which source produces the best quality biodiesel. These sources include, fish tank algae, chlorella algae, scenedesmus algae, duckweed, and used fryer oil.</p> <p>Methods/Materials Press for algae-built from plywood and mechanical screws, and bolts Reacting Oil into Biodiesel-transesterification, blending methanol alcohol and sodium hydroxide Testing Quality of Biodiesel-pHLip test-bought online</p> <p>Results Scenedesmus algae produced best, fryer oil produced second best, chlorella algae third, duckweed, fish tank algae last.</p> <p>Conclusions/Discussion By concluding which source created the most usable biodiesel, it is concluded that certain vegetable based sources can be renewable and converted into fuel.</p>	
Summary Statement Converting different sources into biodiesel.	
Help Received	